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(FILE 'HOME' ENTERED AT 14:55:25 ON 23 JUN 2004)

L1 FILE 'HCAPLUS' ENTERED AT 14:55:30 ON 23 JUN 2004
2 US20030100041/PN

FILE 'REGISTRY' ENTERED AT 14:55:48 ON 23 JUN 2004

L2 FILE 'HCAPLUS' ENTERED AT 14:55:51 ON 23 JUN 2004
TRA L1 1- RN : 9 TERMS

L3 FILE 'REGISTRY' ENTERED AT 14:55:52 ON 23 JUN 2004
9 SEA L2

L4 FILE 'USPATFULL, USPAT2' ENTERED AT 14:55:58 ON 23 JUN 2004
1 US20030100041/PN

L5 FILE 'WPIX' ENTERED AT 14:56:09 ON 23 JUN 2004
1 US20030100041/PN

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FILE 'HCAPLUS' ENTERED AT 14:56:40 ON 23 JUN 2004
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FILE COVERS 1907 - 23 Jun 2004 VOL 140 ISS 26
FILE LAST UPDATED: 22 Jun 2004 (20040622/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

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L1 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:413992 HCAPLUS
DN 138:378287
ED Entered STN: 30 May 2003
TI A method for the measurement of the concentration of a material such as dextran or raffinose in a solution
IN Bucke, Christopher; Adlard, Max; Singleton, Victoria; Horn, Jennifer
PA UK
SO U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DT Patent
LA English

IC ICM C12Q001-34
 ICS C12N009-24
 NCL 435018000; 435200000
 CC 80-6 (Organic Analytical Chemistry)
 Section cross-reference(s): 9, 11, 17

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003100041	A1	20030529	US 2001-995737	20011129 <--
	GB 2367617	A1	20020410	GB 2000-24299	20001004
	GB 2367617	B2	20040107		
PRAI	US 2001-995737	A	20011129		

AB A method for the measurement of the concentration of a material such as dextran or raffinose in a solution, notably a sugar solution, comprises the step of: i measurement of the optical rotation of a solution sample; ii treatment of the sample with a reactive agent, reactive with the material, sufficient to alter the optical rotation of the sample; iii measurement of the optical rotation of the sample after treatment; and iv calcn. of the concentration of the material by reference to a suitable standard

ST assay

IT Wavelength
 (IR; method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT Fruit and vegetable juices
 (cane; method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT Samples
 (liquid; method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT Concentration (condition)
 Materials
 Mathematical methods
 Molecular weight
 Optical activity
 Particle size
 Polarimetry
 Solids
 Solutions
 Standard substances, analytical
 Test kits
 (method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT Carbohydrates, analysis
 RL: ANT (Analyte); ANST (Analytical study)
 (method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT Reagents
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT Diatomite
 RL: ARU (Analytical role, unclassified); ANST (Analytical study)
 (method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT 57-50-1, Sucrose, analysis 512-69-6, Raffinose 9000-69-5, Pectin
 9004-53-9, Dextrin 9004-54-0, Dextran, analysis 9014-63-5, Xylan
 RL: ANT (Analyte); ANST (Analytical study)

(method for measurement of concentration of a material such as dextran or raffinose in a solution)

IT 9025-35-8, α -Galactosidase 9025-70-1, Dextranase
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (method for measurement of concentration of a material such as dextran or raffinose in a solution)

L1 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:610548 HCAPLUS
 DN 137:126712
 ED Entered STN: 16 Aug 2002
 TI Polarimetric assay for oligosaccharides or dextran
 IN Bucke, Christopher; Adlard, Max; Singleton, Victoria; Horn, Jennifer
 PA Optical Activity Limited, UK
 SO Brit. UK Pat. Appl., 22 pp.
 CODEN: BAXXDU
 DT Patent
 LA English
 IC ICM G01N021-21
 CC 44-1 (Industrial Carbohydrates)
 Section cross-reference(s): 17, 33, 80

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2367617	A1	20020410	GB 2000-24299	20001004
	GB 2367617	B2	20040107		
	US 2003100041	A1	20030529	US 2001-995737	20011129 <--
PRAI	US 2001-995737	A	20011129		

AB Measurement of the concentration of, e.g., dextran or raffinose contamination
 in

a solution, comprises the step of: (i) measurement of the optical rotation of a solution sample; (ii) treatment of the sample with a reactive agent, reactive with the material, sufficient to alter the optical rotation of the sample; (iii) measurement of the optical rotation of the sample after treatment; and (iv) calcn. of the concentration of the material by reference to a

suitable standard Reactive agent is typically dextranase or alpha galactosidase. Utility of method may be in measuring dextran or raffinose concentration in raw cane or beet sugar solns. Also disclosed in the polarimetric anal. of a solution at near IR wavelengths where the sample is first treated with diatomaceous earth prior to optical activity measurement.

ST dextran raffinose polarimetric analysis dextranase galactosidase reaction

IT Optical activity

Polarimetry

(polarimetric assay for oligosaccharides or dextran)

IT Diatomite

RL: RGT (Reagent); RACT (Reactant or reagent)

(polarimetric assay for oligosaccharides or dextran)

IT 57-50-1, Cane sugar, analysis

RL: AMX (Analytical matrix); ANST (Analytical study)

(polarimetric assay for oligosaccharides or dextran)

IT 512-69-6, Raffinose 9004-54-0, Dextran, analysis

RL: ANT (Analyte); ANST (Analytical study)

(polarimetric assay for oligosaccharides or dextran)

IT 9001-34-7, Galactosidase 9025-70-1, Dextranase

RL: RGT (Reagent); RACT (Reactant or reagent)

(polarimetric assay for oligosaccharides or dextran)

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FILE 'REGISTRY' ENTERED AT 14:56:57 ON 23 JUN 2004
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STRUCTURE FILE UPDATES: 22 JUN 2004 HIGHEST RN 697737-72-7
DICTIONARY FILE UPDATES: 22 JUN 2004 HIGHEST RN 697737-72-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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L3 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
RN 9025-70-1 REGISTRY
CN Dextranase (9CI) (CA INDEX NAME)
OTHER NAMES:
CN α -1,6-Glucan 6-glucanohydrolase
CN Dextran hydrolase
CN Dextranase DL 2
CN Dextrase
CN DL 2
CN E.C. 3.2.1.11
CN endo-Dextranase
CN Endodextranase
MF Unspecified
CI COM, MAN
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,
CAPLUS, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, EMBASE, IFICDB, IFIPAT,
IFIUDB, IPA, MRCK*, PROMT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
study); PREP (Preparation); PROC (Process); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
(Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
(Properties)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

913 REFERENCES IN FILE CA (1907 TO DATE)
20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
913 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9025-35-8 REGISTRY

CN Galactosidase, α - (9CI) (CA INDEX NAME)

OTHER NAMES:

CN α -D-GalactopyranosidaseCN α -D-GalactosidaseCN α -D-Galactoside galactohydrolaseCN α -GAL 600LCN α -GalactosidaseCN α -Galactosidase ACN α -Galactoside galactohydrolase

CN Alpha Gal 500

CN E.C. 3.2.1.22

CN Melibiase

CN Validase AGS

DR 9013-52-9, 228870-95-9

MF Unspecified

CI MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, IFICDB, IFIPAT, IFIUDB, IPA, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

2946 REFERENCES IN FILE CA (1907 TO DATE)

30 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2952 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9014-63-5 REGISTRY

CN Xylan (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Xylans (8CI)

OTHER NAMES:

CN D-Xylan

CN Gums, wood

DR 8050-11-1, 37300-19-9

MF Unspecified
CI PMS, COM, MAN
PCT Manual registration
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,
CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU,
EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, PIRA,
PROMT, TOXCENTER, USPAT2, USPATFULL, VTB
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAPLUS document type: Conference; Dissertation; Journal; Patent;
Preprint; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); PREP (Preparation); PROC (Process);
RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

3021 REFERENCES IN FILE CA (1907 TO DATE)
145 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3027 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9004-54-0 REGISTRY

CN Dextran (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Dextrans (8CI)

OTHER NAMES:

CN α -Dextran

CN CDC-H

CN DEX 500

CN Dextran 1.5

CN Dextran 10

CN Dextran 1000

CN Dextran 110

CN Dextran 15

CN Dextran 150

CN Dextran 2000

CN Dextran 250

CN Dextran 3000

CN Dextran 40

CN Dextran 45

CN Dextran 500

CN Dextran 60

CN Dextran 70

CN Dextran 75

CN Dextran B 512

CN Dextran B1355

CN Dextran D 10

CN Dextran PL 1S

CN Dextran PT 25
 CN Dextran PVD
 CN Dextran RMI
 CN Dextran T 10
 CN Dextran T 110
 CN Dextran T 150
 CN Dextran T 20
 CN Dextran T 2000
 CN Dextran T 500
 CN Dextran T 70
 CN Dextranen
 CN Dextraven
 CN Eudextran
 CN Expandex
 CN Gentran
 CN Hemodex
 CN Hyscon
 CN Hyskon
 CN Infucoll
 CN Intrader
 CN Intradex
 CN LMD
 CN LMWD
 CN Longasteril 70
 CN LU 122
 CN LVD
 CN Macrodex

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

DR 12626-85-6, 9013-80-3, 9044-66-0, 11104-36-2, 11121-03-2, 37224-17-2, 86280-85-5

MF Unspecified

CI PMS, COM, MAN

PCT Manual registration, Polyother, Polyother only

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VTB

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Other Sources: DSL**, EINECS**, TSCA**, WHO

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DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);

PRP (Properties); RACT (Reactant or reagent); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

14366 REFERENCES IN FILE CA (1907 TO DATE)

2430 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

14406 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9004-53-9 REGISTRY

CN Dextrin (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Dextrins (8CI)

OTHER NAMES:

CN 102D

CN 102K

CN 1752S

CN 30AN

CN 37LAC19

CN 955SR

CN Amaizo 1706

CN Amaizo 1752S

CN Amycol 1

CN Amycol 10

CN Amycol 6L

CN Aquaflake 31

CN Arabix 6

CN Arabix 7

CN Avedex 35

CN Avedex 58MD14

CN Avedex 58MD14C

CN Avedex W 15

CN Avedex W 90

CN Bindex 2

CN BLD

CN BLD 8

CN British gum

CN British gum APA

CN C 23

CN C 23 (polysaccharide)

CN C*DrySet

CN Canary S 8032

CN Corn dextrin

CN CPC 8071

CN Cream Dextrin 15

CN Crystal Gum

CN Crystal Tex 627

CN D 3100

CN D 3100 (gum)

CN D 400E

CN Dextrid

CN Dextrin 10

CN Dextrin 101

CN Dextrin 102N

CN Dextrin 102S

CN Dextrin 1104

CN Dextrin 12

CN Dextrin 1719

CN Dextrin 20

CN Dextrin 3

CN Dextrin ND-S

CN Dextrin ND-SN
CN Dextrina Bianca
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY
DR 9072-45-1, 37265-05-7, 37265-06-8, 152232-07-0, 100041-56-3, 199015-70-8,
256933-14-9
MF Unspecified
CI PMS, COM, MAN
PCT Manual registration, Polyother, Polyother only
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM,
CSNB, DDFU, DETHERM*, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA,
MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT, PS,
RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;
Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP
(Properties); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
7704 REFERENCES IN FILE CA (1907 TO DATE)
395 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7716 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
RN 9001-34-7 REGISTRY
CN Galactosidase (9CI) (CA INDEX NAME)
DR 9025-36-9
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
CAPLUS, CASREACT, CEN, CHEMLIST, CIN, CSNB, EMBASE, MEDLINE, NIOSHTIC,
PROMT, TOXCENTER, USPAT2, USPATFULL
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Conference; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation);
PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
(Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP
(Properties); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PROC (Process); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

364 REFERENCES IN FILE CA (1907 TO DATE)

36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

366 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9000-69-5 REGISTRY

CN Pectin (9CI) (CA INDEX NAME)

OTHER NAMES:

CN AF 701

CN Beta-Pectin

CN Cesapectin

CN Classic AF 501

CN Classic AM 201

CN Colyer pectin

CN D-D Slowset

CN Genu Beta Pectin

CN Genu JMJ 100

CN Genu Pectin L 200

CN Genu Pectin LM 101AS

CN Genu Pectin LM 104AS

CN Genu Pectin LM 104AS-FS

CN Genu Pectin LM 105AS

CN Genu Pectin LM 105S

CN Genu Pectin LM 18CG-Z

CN Genu Pectin LM 85AS

CN Genu Pectin USP-H

CN Genu Pectin X 0905

CN Genu Pectin YM 100

CN Genu Pectin YM 150J

CN H&F Pectin Classic AF 701

CN LM 104AS-FS

CN LM 12CG-Z

CN LM-SN 325

CN LMNA/P 3450NA95

CN Marpee NL

CN Marpee OM

CN Methoxypectin

CN Methyl pectin

CN Methyl pectinate

CN MexPec 1400

CN Mexpectin XSS 100

CN OF 305

CN Pectin 1694

CN Pectin JM 150JN

CN Pectinate

CN Pectinic acid

CN Pectins

CN Red Ribbon 3G

CN Slendid 200

CN Slendid L 200

CN SM 478

CN Splendid

CN TIC Pretested Pre-hydrated 1694 Powder

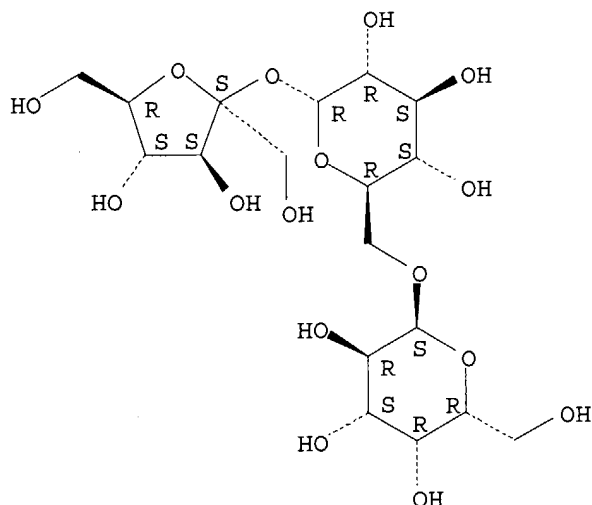
CN Unipectin
CN Unipectine 150RS150C
CN Unipectine 3450NA95
CN Unipectine AMP 285
CN Unipectine AYD 358
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
DISPLAY
DR 9046-41-7, 9047-18-1
MF Unspecified
CI PMS, COM, MAN
PCT Manual registration, Polyother, Polyother only
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN,
CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB,
IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA,
PROMT, RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Book; Conference; Dissertation; Journal; Patent;
Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);
PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
(Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
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(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
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(Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
(Reactant or reagent); USES (Uses)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
12453 REFERENCES IN FILE CA (1907 TO DATE)
482 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
12475 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
RN 512-69-6 REGISTRY
CN α -D-Glucopyranoside, β -D-fructofuranosyl O- α -D-
galactopyranosyl-(1 \rightarrow 6)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Raffinose (8CI)
OTHER NAMES:
CN D-(+)-Raffinose
CN D-Raffinose
CN Gossypose
CN Melitose
CN Melitriose
CN NSC 170228
CN NSC 2025
FS STEREOSEARCH
DR 127230-13-1
MF C18 H32 O16

CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
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 DT.CA CAPLUS document type: Book; Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

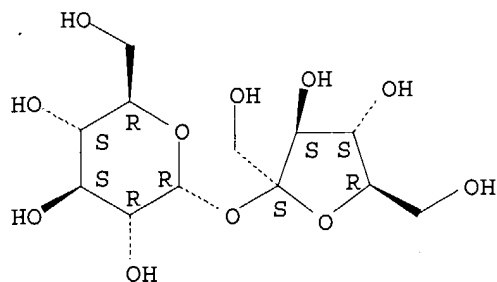
5206 REFERENCES IN FILE CA (1907 TO DATE)
 107 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 5212 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 57-50-1 REGISTRY

CN α -D-Glucopyranoside, β -D-fructofuranosyl (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Sucrose (8CI)
 OTHER NAMES:
 CN (+)-Sucrose
 CN β -D-Fructofuranosyl α -D-glucopyranoside
 CN Amerfond
 CN Beet sugar
 CN Cane sugar
 CN Confectioner's sugar
 CN D-(+)-Saccharose
 CN D-(+)-Sucrose
 CN D-Sucrose
 CN GNE 410
 CN Granulated sugar
 CN Manalox AS
 CN Microse
 CN NSC 406942
 CN Rock candy
 CN Saccharose
 CN Saccharum
 CN Sucralox
 CN Sugar
 CN White sugar
 FS STEREOSEARCH
 DR 635681-90-2, 12040-73-2, 8027-47-2, 8030-20-4, 131932-12-2, 64533-66-0,
 104242-10-6, 50857-68-6, 51909-69-4, 65545-99-5, 75398-84-4, 76056-38-7,
 78654-77-0, 146054-35-5, 146187-04-4, 151756-02-4, 80165-03-3, 85456-51-5,
 86101-30-6, 87430-66-8, 92004-84-7, 29253-78-9, 29764-06-5, 30027-72-6,
 47167-52-2, 47185-09-1, 47257-91-0, 100405-08-1, 220376-22-7
 MF C12 H22 O11
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
 DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*,
 IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT,
 NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA,
 USAN, USPAT2, USPATFULL, VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
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 DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent;
 Preprint; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
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 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
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 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);
 MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
 NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);

PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

65430 REFERENCES IN FILE CA (1907 TO DATE)
 3849 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 65528 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> b uspatall

FILE 'USPATFULL' ENTERED AT 14:57:14 ON 23 JUN 2004
 CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:57:14 ON 23 JUN 2004
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=> d bib abs ind l4

L4 ANSWER 1 OF 1 USPATFULL on STN
 AN 2003:146295 USPATFULL
 TI Assay method
 IN Bucke, Christopher, London, UNITED KINGDOM
 Adlard, Max, London, UNITED KINGDOM
 Singleton, Victoria, Ramsey, UNITED KINGDOM
 Horn, Jennifer, Ramsey, UNITED KINGDOM
 PI US 2003100041 A1 20030529 <--
 AI US 2001-995737 A1 20011129 (9)
 DT Utility
 FS APPLICATION
 LREP DORSEY & WHITNET, LLP, Suite 300-South, 1001 Pennsylvania Avenue, N.W.,
 Washington, DC, 20004
 CLMN Number of Claims: 12
 ECL Exemplary Claim: 1
 DRWN 3 Drawing Page(s)
 LN.CNT 530
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB A method for the measurement of the concentration of a material such as
 dextran or raffinose in a solution, notably a sugar solution, comprises
 the step of:

i measurement of the optical rotation of a solution sample;

ii treatment of the sample with a reactive agent, reactive with the
 material, sufficient to alter the optical rotation of the sample;

iii measurement of the optical rotation of the sample after treatment;
and

iv calculation of the concentration of the material by reference to a
suitable standard.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

INCL INCLM: 435/018.000

INCLS: 435/200.000

NCL NCLM: 435/018.000

NCLS: 435/200.000

IC [7]

ICM: C12Q001-34

ICS: C12N009-24

CHEMICAL ABSTRACTS INDEXING COPYRIGHT 2004 ACS on STN

	PATENT	KIND	DATE
OS	CA 137:126712 GB	2367617 A1	20020410
	CA 138:378287 * US	20030100041 A1	20030529
* CA Indexing for this record included			
CC	80-6 (Organic Analytical Chemistry)		
	Section cross-reference(s): 9, 11, 17		
ST	assay		
IT	Wavelength		
	(IR; method for measurement of concentration of a material such as dextran		
or	raffinose in a solution)		
IT	Fruit and vegetable juices		
	(cane; method for measurement of concentration of a material such as dextran		
	or raffinose in a solution)		
IT	Samples		
	(liquid; method for measurement of concentration of a material such as		
dextran	or raffinose in a solution)		
IT	Concentration (condition)		
	Materials		
	Mathematical methods		
	Molecular weight		
	Optical activity		
	Particle size		
	Polarimetry		
	Solids		
	Solutions		
	Standard substances, analytical		
	Test kits		
	(method for measurement of concentration of a material such as dextran or		
	raffinose in a solution)		
IT	Carbohydrates, analysis		
	(method for measurement of concentration of a material such as dextran or		
	raffinose in a solution)		
IT	Reagents		
	(method for measurement of concentration of a material such as dextran or		
	raffinose in a solution)		
IT	Diatomite		
	(method for measurement of concentration of a material such as dextran or		
	raffinose in a solution)		
IT	57-50-1, Sucrose, analysis 512-69-6, Raffinose 9000-69-5, Pectin		

9004-53-9, Dextrin 9004-54-0, Dextran, analysis 9014-63-5, Xylan
 (method for measurement of concentration of a material such as dextran or
 raffinose in a solution)
 IT 9025-35-8, α -Galactosidase 9025-70-1, Dextranase
 (method for measurement of concentration of a material such as dextran or
 raffinose in a solution)

=> b wpix

FILE 'WPIX' ENTERED AT 14:57:27 ON 23 JUN 2004
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FILE LAST UPDATED: 21 JUN 2004 <20040621/UP>
 MOST RECENT DERWENT UPDATE: 200439 <200439/DW>
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>>> THE DISPLAY LAYOUT HAS BEEN CHANGED TO ACCOMMODATE THE
 NEW FORMAT GERMAN PATENT APPLICATION AND PUBLICATION
 NUMBERS. SEE ALSO:
<http://www.stn-international.de/archive/stnews/news0104.pdf> <<<

=> d all l5

L5 ANSWER 1 OF 1 WPIX COPYRIGHT 2004 THOMSON DERWENT on STN
 AN 2002-429016 [46] WPIX
 DNN N2002-337414 DNC C2002-121795
 TI Concentration measurement of material such as dextran in sugar cane
 industry, involves measuring optical rotation of sample before and after
 treating with reactive agent and calculating concentration using
 reference.
 DC D16 D17 J04 S03
 IN ADLARD, M; BUCKE, C; HORN, J; SINGLETON, V
 PA (OPTI-N) OPTICAL ACTIVITY LTD; (ADLA-I) ADLARD M; (BUCK-I) BUCKE C;
 (HORN-I) HORN J; (SING-I) SINGLETON V
 CYC 2
 PI GB 2367617 A 20020410 (200246)* 22 G01N021-21
 US 2003100041 A1 20030529 (200344)# C12Q001-34 <--
 GB 2367617 B 20040107 (200404) G01N021-21

ADT GB 2367617 A GB 2000-24299 20001004; US 2003100041 A1 US 2001-995737
20011129; GB 2367617 B GB 2000-24299 20001004

PRAI GB 2000-24299 20001004; US 2001-995737 20011129

IC ICM C12Q001-34; G01N021-21

ICS C12N009-24

AB GB 2367617 A UPAB: 20020722

NOVELTY - Measurement of the concentration of a material in a solution comprises:

- (i) measuring the optical rotation of a solution sample;
- (ii) treating the sample with a reactive agent which is reactive with the material, to alter the optical rotation of the sample;
- (iii) measuring the optical rotation of the sample after treatment;

and

- (iv) calculating the concentration of the material by reference to a suitable standard.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) dextranase or alpha -galactosidase in the context of a solid support;

- (b) a kit for assay of the concentration of material in solution; and
- (c) a method for polarimetric analysis of a solution.

USE - For measuring the concentration of a material such as dextran in the sugar cane industry, and raffinose in the sugar beet industry.

ADVANTAGE - The concentration of sucrose is determined accurately, by determining the concentration of contaminant such as dextran. The use of lead acetate which produces environmental hazards is prevented. The concentration of the material is determined safely and economically. Accurate and sensitive detection of the quantity of optically active material such as dextran, is possible.

Dwg.0/3

FS CPI EPI

FA AB

MC CPI: D05-C08; D05-H09; D06-B; J04-C02; J04-C03

EPI: S03-E04F1; S03-E14A

=> b home

FILE 'HOME' ENTERED AT 14:57:33 ON 23 JUN 2004

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